

Abstract of the Disclosure

The present invention provides a telecommunications network device including at least one power distribution unit capable of connecting to multiple, unregulated DC power feeds. The network device may also include a redundant power distribution unit. Both power distribution units are independently removable from the network device. Thus, when two power distribution units are mounted within the network device one may be removed for repair or upgrade and the other power distribution unit will continue to provide power to the network device such that it may continue running. Each power distribution unit may also include an on/off switch, which when in an “on” position allows the power distribution unit to supply power from each connected power feed to the network device and when in an “off” position prevents the power distribution unit from supplying power from any power feed to the network device. Thus, prior to removing the power distribution unit from the network device the on/off switch may be moved to the “off” position. The configuration of a single, removable power distribution unit capable of connecting to multiple power feeds provides high power density in a small amount of space. Including only one on/off switch for each power distribution unit also saves space while providing some external control over power distribution.

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